

Patent Abstracts of Japan

cited in the European Search
Report of EP01 13 0603.2
Your Ref.: NSC-J334-EP

PUBLICATION NUMBER : 62001879
PUBLICATION DATE : 07-01-87

APPLICATION DATE : 28-06-85
APPLICATION NUMBER : 60140431

APPLICANT : MAZDA MOTOR CORP;

INVENTOR : TAKAMIYA YOSHITAKA;

INT.CL. : C23C 22/07 B32B 15/08

TITLE : HIGH-DAMPING COMPOSITE STEEL SHEET AND ITS PRODUCTION

ABSTRACT : PURPOSE: To develop a high-damping composite steel sheet excellent in press workability as well as rust-preventing property and causing no blister at baking finish by phosphating both sides of steel sheets, removing water of crystallization, putting a viscoelastic substance between the two of the above steel sheets and then carrying out cladding.

CONSTITUTION: Phosphating films are formed on the surfaces of galvanized sheets, hot-rolled steel plates, cold-rolled steel sheets, etc., of 0.2~1.6mm thick by $\geq 0.5\text{g/m}^2$ plating quantity per one side. These steel sheets are heated to 160~220°C to remove water of crystallization in the phosphating films. Then, between the two of the above surface-treated steel sheets, the viscoelastic substance such as ethyleneacrylic acid copolymer resin, modified polyethylene resin, modified polypropylene resin, vinyl acetate resin, etc., is provided as vibration-damping material in 0.03~0.6mm thickness, which is subjected to forced cladding to form the high-damping composite steel sheet having superior characteristics.

COPYRIGHT: (C)1987,JPO&Japio